

Contents of Volume 14

No. 1

N. AMBRASEYS, G. LENSEN, A. MOINFAR & W. PENNINGTON: The Pattan (Pakistan) earthquake of 28 December 1974: field observations	1
J. A. BARKER & S. S. D. FOSTER: A diffusion exchange model for solute movement in fissured porous rock	17
M. MORGAN-JONES & M. D. EGGBORO: The hydrogeochemistry of the Jurassic limestones in Gloucestershire, England	25
W. R. DEARMAN & J. R. COFFEY: An engineering zoning map of the Permian limestones of NE England	41
W. AKILI & J. K. TORRANCE: The development and geotechnical problems of sabkha, with preliminary experiments on the static penetration resistance of cemented sands	59
Discussion by D. ROBINSON	75

No. 2

R. S. EVANS: An analysis of secondary rock toppling failures—the stress redistribution method	77
J. W. LLOYD, D. HARKER & R. A. BAXENDALE: Recharge mechanisms and groundwater flow in the chalk and drift deposits of southern East Anglia	87
P. G. FOOKES & A. B. POOLE: Some preliminary considerations on the selection and durability of rock and concrete materials for breakwaters and coastal protection works	97
N. EYLES & J. A. SLADEN: Stratigraphy and geotechnical properties of weathered lodgement till in Northumberland, England	129
N. N. AMBRASEYS: The El Asnam (Algeria) earthquake of 10 October 1980; conclusions drawn from a field study	143

No. 3

Papers from the Regional Meeting held at Kingston in September 1980 on Engineering Geology applied to Construction

R. J. CHANDLER: Introduction	149
------------------------------	-----

A. B. HAWKINS & K. D. PRIVETT: A building site on cambered ground at Radstock, Avon	151
S. J. BICZYSKO: Relic landslip in west Northamptonshire	169
D. C. STARR, A. P. STILES & R. M. NISBET: Rock slope stability and remedial measures for a residential development at Tsuen Wan, Hong Kong	175
J. NEWBERY & D. A. B. BAKER: The stability of cuts on the M4 north of Cardiff	195
E. J. ARROWSMITH & P. R. RANKILOR: Dalton By-pass: site investigation in an area of abandoned haematite mine workings	207
A. W. PARSONS: The assessment of soils and soft rocks for embankment construction	219
R. G. CLARK, J. C. GUTMANIS, A. E. FURLEY & P. G. JORDAN: Engineering geology for a major industrial complex at Aughinish Island, Co. Limerick, Ireland	231

No. 4

*Papers from the Ordinary General Meeting held at Burlington House on
18 February 1981 on Mudrocks of the United Kingdom*

M. H. DE FREITAS: Introduction	241
DORRIK A. V. STOW: Fine-grained sediments: terminology	243
W. S. MCKERROW: The distribution of Lower Palaeozoic mudrocks in Britain	245
M. R. HOUSE: Mudrocks of the Devonian	253
W. H. C. RAMSBOTTOM, P. A. SABINE, J. DANGERFIELD & P. W. SABINE: Mudrocks in the Carboniferous of Britain	257
B. W. SELLWOOD & C. P. SLADEN: Mesozoic and Tertiary argillaceous units: distribution and compositions	263
H. F. SHAW: Mineralogy and petrology of the argillaceous sedimentary rocks of the U.K.	277
R. K. TAYLOR & D. A. SPEARS: Laboratory investigation of mudrocks	291
R. W. GALLOIS & A. HORTON: Field investigation of British Mesozoic and Tertiary mudstones	311
J. C. CRIPPS & R. K. TAYLOR: The engineering properties of mudrocks	325
J. H. TELLAM & J. W. LLOYD: A review of the hydrogeology of British onshore non-carbonate mudrocks	347
J. R. BLOOMER: Thermal conductivities of mudrocks in the United Kingdom	357
M. G. ANDERSON & K. S. RICHARDS: Geomorphological aspects of slopes in mudrocks in the United Kingdom	363





